

SECTION 01200 GENERAL REQUIREMENTS

PART 1 – GENERAL

1.1 DESCRIPTION OF WORK

- A. The standards set forth in this document are intended to provide a basis for design and construction. Applicable state and environmental laws and regulations should be considered concurrently with this text. If any conflicts exist between the standards, the more stringent shall apply. Any variation from standards is to be approved in advance by the St. Lucie County Utilities Director or his designated representative hereinafter known as SLCU.
- B. It is intended that the requirements of this section shall be applicable in all cases where the facilities being constructed or to be constructed shall be owned and/or operated and maintained by St. Lucie County Utilities. These requirements shall also be applicable to those portions of facilities that will lie within public rights-of-way of St. Lucie County Utility's jurisdiction.
- C. SLCU's responsibility for ownership, operation, and maintenance of water mains and appurtenances or water service lines shall end at and include the meter. Fire sprinkler lines shall be owned by SLCU up to, and include, the meter or double detector check valve. Proper easements and testing are required for all these pipelines.
- D. SLCU will not be responsible for maintaining sewer services outside the right-of-way or easement without written agreement by SLCU. SLCU will not operate, maintain or acquire ownership of any sewage facilities that are not constructed to SLCU standards. Responsibility for non-standard pipelines or lift stations shall reside with the developer and assigns.
- E. It shall be the responsibility of the Developer's Engineer to provide proper existing pipeline information, plan layout, size of facilities and prepare plans all in accordance with these minimum standards. These standards may be exceeded at the Developer's and/or Developer's Engineer's discretion.
- F. All construction plans shall be approved by SLCU prior to commencement of construction. No construction shall start prior to a pre-construction conference. The pre-construction conference shall be attended by the Design Engineer, the Contractor, a SLCU Representative, representatives of FDOT or other agencies having jurisdiction over parts of the work. No changes shall be made on approved plans without specific concurrence of SLCU. SLCU will enforce the approved construction plans to a level equal to that of the minimum standards, plus any additional requirements of the Engineer shown on the plans with SLCU's

concurrence. Reasonable effort will be made to ascertain that the plans and specifications equal or exceed these minimum standards. Construction will be enforced to at least these minimum standards.

- G. The Contractor shall contact the Engineer of Record, the appropriate governmental jurisdictional agency and all utility companies at least 48 hours prior to commencement of construction for coordination of any utilities.
- H. No pollution or erosion caused by the construction will be allowed in the stormwater drainage system. The Contractor shall install any devices necessary to prevent pollution or erosion. The cost of pollution and erosion control shall be incidental to the cost of construction.
- I. The Contractor shall maintain traffic at all times where work is in progress. Traffic control, barricades, etc. shall be in accordance with applicable Florida Department of Transportation and OSHA standards. If any conflict exists between the standards, the more stringent governs, as determined by the Engineer of Record.
- J. The Contractor shall repair or replace any damage caused by construction activity.
- K. All horizontal and vertical survey control points shall be protected and undisturbed. In the event that a control point is disturbed or destroyed the point shall be re-established by a registered Florida land surveyor at the expense of the Contractor.

PART 2 – RECORD DRAWINGS

2.1 GENERAL

- A. As-built plans for water/sewer mains shall be provided by the Contractor/Engineer of Record and shall be comprised of a reproducible mylar copy and three (3) blue-line copies of a certified survey. The blue-line copies shall bear the original signature and embossed seal of the surveyor who performed the as-built survey. The as-builts shall be submitted after the completion of construction or as otherwise indicated herein, prior to submittal to the Florida Department of Environmental Protection. The as-built survey shall be prepared in plan and profile format by a professional land surveyor registered in the State of Florida, and shall comply with applicable provisions of the Florida Administrative Code and Chapter 472 of the Florida Statutes. The as-built drawing shall be at the same scale and reference the same baseline as the drawings prepared by the Engineer of Record. The horizontal and vertical location of the mains and appurtenances shall be accurately depicted to scale and shall be identified relative to the baseline and relative to readily identifiable permanent reference points existing after the completion of the construction. Locations shall be shown for all fittings, valves, hydrants, manholes, sample points, air releases, etc., both horizontal and vertical, and the location of the main at each baseline station as shown on the plans (100 feet

maximum) both horizontal and vertical. Underground facilities (i.e. drainage, gas, electric, telephone, etc.) crossing the mains shall be accurately shown both horizontally and vertically and shall identify size, type, facility, material, and clearance. All information shall be based upon measurements and observations made in the field by the surveyor certifying the survey, or by personnel under his employment, direction and supervision. The cost for preparing and maintaining the as-built plans shall be incidental to the construction cost.

PART 3 – EASEMENTS

3.1 GENERAL

- A. Easements for water and sewage mains and appurtenances shall be provided when the water and sewage facilities are installed outside of road rights-of-way under St. Lucie County control. The easements may be either shown on the plat or granted to the County by a separate easement deed. The description for the easement shall be supplied by the Developer's Engineer or Surveyor. In lieu of an easement over a specific portion or portions of the Property, a blanket easement may be provided by the Owner of the land. Easements shall be in a form acceptable to the County.

3.2 LOCATIONS OF EASEMENTS

- A. Easements shall be provided in a manner so that the water or sewage main is generally centered within the easement, if possible. Easements shall be accessible by construction equipment and shall not be isolated by ditches, landscaping, walls, or buildings.

3.3 EASEMENT WIDTH

- A. Easement widths shall comply with Table I below:

Table I

TYPE	DEPTH OF COVER	MIN. EASEMENT WIDTH
Water Mains 8" or less	30 inches	10 feet
Water Mains 10" or more	48 inches	15 feet
Sewage Force Mains	48 inches	15 feet
Gravity Sewage Mains	2.5 feet – 5 feet	15 feet
Gravity Sewage Mains	5 feet – 10 feet	20 feet
Gravity Sewage Mains	10 feet – 15 feet	25 feet

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